Regulatory Toxicology and Pharmacology
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Topic: Asbestos

Reference Type: Journal Article
Record Number: 4
Author: Addison, John; McConnell, Ernest E.
Title: A review of carcinogenicity studies of asbestos and non-asbestos tremolite and other amphiboles
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: A review of carcinogenicity studies of asbestos and non-asbestos tremolite and other amphiboles
URL: http://www.sciencedirect.com/science/article/B6WPT-4PW5XRF-1/2/88c9a04e58c8c2663e884b731fa1bb7f

Reference Type: Journal Article
Record Number: 11
Author: Berry, Geoffrey; Gibbs, Graham W.
Title: An Overview of the Risk of Lung Cancer in Relation to Exposure to Asbestos and of Taconite Miners
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: An Overview of the Risk of Lung Cancer in Relation to Exposure to Asbestos and of Taconite Miners
URL: http://www.sciencedirect.com/science/article/B6WPT-4PTW4XF-3/2/b5145b7af61ba41b7248cf7c8bc28f60

Reference Type: Journal Article
Record Number: 10
Author: Brunner, Wendy M.; Williams, Allan N.; Bender, Alan P.
Title: Investigation of exposures to commercial asbestos in northeastern Minnesota iron miners who developed mesothelioma
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Investigation of exposures to commercial asbestos in northeastern Minnesota iron miners who developed mesothelioma
URL: http://www.sciencedirect.com/science/article/B6WPT-4PTW4XF-2/2/1d7ade52a80adb923f513b97541e85fc

Reference Type: Journal Article
Record Number: 6
Author: Gibbs, Graham W.; Berry, Geoffrey
Title: Mesothelioma and Asbestos
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Mesothelioma and Asbestos
URL: http://www.sciencedirect.com/science/article/B6WPT-4PW5XRF-2/2/d9ca0190358c95982c2fddf91416a7ef

Reference Type: Journal Article
Record Number: 13
Author: Hagens, Werner I.; Oomen, Agnes G.; de Jong, Wim H.; Cassee, Flemming R.; Sips, Adrienne J. A. M.
Title: What do we (need to) know about the kinetic properties of nanoparticles in the body?
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Corrected Proof
Short Title: What do we (need to) know about the kinetic properties of nanoparticles in the body?
Keywords: Absorption
Distribution
Excretion
Metabolism
ADME
Detection
Kinetics
Nanoparticles
Abstract: Nowadays the development and applications of nanotechnology are of major importance in both industrial and consumer areas. However, the knowledge on human exposure and possible toxicity of nanotechnology products is limited. To understand the mechanism of toxicity, thorough knowledge of the toxicokinetic properties of nanoparticles is warranted. There is a need for information on the absorption, distribution, metabolism and excretion (ADME) of nanoparticles and validated detection methods of these man-made nanoparticles. Determination of the ADME properties of nanoparticles requires specialised detection methods in different biological matrices (e.g. blood and organs). In this paper, the current knowledge on the kinetic properties of nanoparticles is reviewed. Moreover, knowledge gaps from a kinetic point of view (detection, dose, ADME processes) are identified.
URL: http://www.sciencedirect.com/science/article/B6WPT-4PF1WKB-1/2/10dca4ca42a5f298c88745a6423a4b35

Reference Type: Journal Article
Record Number: 16
Author: Jirsa, Mark A.; Miller, Jr James D.; Morey, G. B.
Title: Geology of the biwabik iron formation and duluth complex
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Geology of the biwabik iron formation and duluth complex
URL: http://www.sciencedirect.com/science/article/B6WPT-4PT1SGP-3/2/026b123056d6f8432bf610d5bacc5b42

Reference Type: Journal Article
Record Number: 17
Author: Kopylev, Leonid; Chen, Chao; White, Paul
Title: Towards quantitative uncertainty assessment for cancer risks: Central estimates and probability distributions of risk in dose-response modeling
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Corrected Proof
Short Title: Towards quantitative uncertainty assessment for cancer risks: Central estimates and probability distributions of risk in dose-response modeling
Keywords: Expected value of risk
Probabilistic risk assessment
Uncertainty
MCMC
WinBugs
Abstract: Regulatory agencies and the scientific community have been engaged in a long-term effort to strengthen health risk assessment procedures. Recently the momentum of this effort has accelerated to increasing biological information for a variety of toxic compounds and emphasis on the policy goal of broader characterization of scientific uncertainty (in contrast to providing only a single risk estimate). For example, the OMB Regulatory Analysis Guidelines [OMB, 2003. Office of Management and Budget. Circular A-4. Available from: <http://www.whitehouse.gov/omb/circulars/a004/a-4.html/>] suggest that a formal quantitative uncertainty analysis be performed for economic assessments in support of major regulatory analyses, a process that can utilize both expected values and probability distributions for risk estimates. Some efforts have been made in the past to provide probability distributions of risk estimates. In this article, we examine a procedure for constructing probability distributions and expected values of risk estimates using a Bayesian framework. This approach has the advantage of mathematical soundness and computational feasibility, given the Markov chain Monte Carlo software tools that are available today. Importantly, the Bayesian framework can serve as a unifying platform for uncertainty analysis in cancer risk assessment. This paper provides some initial applications of Bayesian methods in quantitative analysis of uncertainty in cancer risk assessment, including implementation with cancer dose-response data sets for two chemicals. The Bayesian expected risk calculations provide an approach

to generating a central estimate of risk that does not have the instability problems that have often limited utility of MLE risk estimates.
URL: http://www.sciencedirect.com/science/article/B6WPT-4PGY4Y8-1/2/1cd20602ee45a9b7fed186d5743a2a57

Reference Type: Journal Article
Record Number: 2
Author: Lee, R. J.; Orden, D. R. Van
Title: Airborne Asbestos in Buildings
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Airborne Asbestos in Buildings
URL: http://www.sciencedirect.com/science/article/B6WPT-4PWF0W9-1/2/3a906b572feec0c2f36d2cbd17cd79ea

Reference Type: Journal Article
Record Number: 15
Author: McSwiggen, Peter L.; Morey, G. B.
Title: Overview of the Mineralogy of the Biwabik Iron Formation, Mesabi Iron Range, Northern Minnesota
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Overview of the Mineralogy of the Biwabik Iron Formation, Mesabi Iron Range, Northern Minnesota
URL: http://www.sciencedirect.com/science/article/B6WPT-4PT1SGP-1/2/2b8c0d139a115c9cf790befc02a2fe42

Reference Type: Journal Article
Record Number: 5
Author: Mossman, Brooke T.
Title: Assessment of the Pathogenic Potential of Asbestiform vs. Nonasbestiform Particulates (Cleavage Fragments) in In Vitro (Cell or Organ Culture) Models and Bioassays
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Assessment of the Pathogenic Potential of Asbestiform vs. Nonasbestiform Particulates (Cleavage Fragments) in In Vitro (Cell or Organ Culture) Models and Bioassays
URL: http://www.sciencedirect.com/science/article/B6WPT-4PW5XRF-3/2/0bd07e17105c5435ccb1ea074012ea14

Reference Type: Journal Article
Record Number: 9
Author: Murray, Jill; Nelson, Gillian
Title: Health effects of amosite mining and milling in South Africa
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Health effects of amosite mining and milling in South Africa
URL: http://www.sciencedirect.com/science/article/B6WPT-4PTW4XF-4/2/81a57b82ce990f2b6e5a88efe0a8337c

Reference Type: Journal Article
Record Number: 7
Author: Price, Bertram
Title: Exposure to airborne amphibole structures and health risks: Libby, Montana
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Exposure to airborne amphibole structures and health risks: Libby, Montana
URL: http://www.sciencedirect.com/science/article/B6WPT-4PW05FP-1/2/b9c2c411e36a87e5dd778ca222784536

Reference Type: Journal Article
Record Number: 3
Author: Ribak, Joseph; Ribak, G.
Title: Human health effects associated with the commercial use of grunerite asbestos (amosite): Paterson NJ, Tyler TX, Uxbridge UK
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Human health effects associated with the commercial use of grunerite asbestos (amosite): Paterson NJ, Tyler TX, Uxbridge UK
URL: http://www.sciencedirect.com/science/article/B6WPT-4PW5XRF-4/2/05d29bbcc5616384e259f2848c44eee9

Reference Type: Journal Article
Record Number: 14
Author: Ross, Malcolm
Title: Origin of the problem: rapporteur's report
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Origin of the problem: rapporteur's report
URL: http://www.sciencedirect.com/science/article/B6WPT-4PWKSW9-2/2/6dd173f3a595e6720f65e5d0d7887d1a

Reference Type: Journal Article
Record Number: 12
Author: Ross, Malcolm; Langer, Arthur M.; Nord, Gordon L.; Nolan, Robert P.; Lee, Richard J.; Orden, D. Van; Addison, John
Title: The Mineral Nature of Asbestos
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: The Mineral Nature of Asbestos
URL: http://www.sciencedirect.com/science/article/B6WPT-4PT1SGP-2/2/ab90e0c3fce30d09ffc6ee29eb12d57b

Reference Type: Journal Article
Record Number: 8
Author: Whitep, Neil; Nelson, Gillian; Murray, Jill
Title: South African experience with asbestos related environmental mesothelioma: Is asbestos fiber type important?
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: South African experience with asbestos related environmental mesothelioma: Is asbestos fiber type important?
URL: http://www.sciencedirect.com/science/article/B6WPT-4PTW4XF-1/2/9ff45413b805a4a6f936306984b1e193

Reference Type: Journal Article
Record Number: 1
Author: Zanko, Lawrence M.; Niles, Harlan B.; Oreskovich, Julie A.
Title: Mineralogical and Microscopic Evaluation of Coarse Taconite Tailings from Minnesota Taconite Operations
Journal: Regulatory Toxicology and Pharmacology
Volume: In Press, Accepted Manuscript
Short Title: Mineralogical and Microscopic Evaluation of Coarse Taconite Tailings from Minnesota Taconite Operations
URL: http://www.sciencedirect.com/science/article/B6WPT-4PWKSW9-1/2/5bacfacc137d22c5d3af24b40d20d81b